



EXPERTS MEETING

PROSPECTUS

JUNE 16-17, 2004
RESTON, VA

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Synopsis

Background



As a result of the Earth Observation Summit, held 31 July 2003, an ad hoc Group on Earth Observations (GEO) was formed to develop a 10-year plan for an integrated Global Earth Observing System of Systems (GEOSS). Consequently, an Interagency Working Group on Earth Observations (IWGEO), comprised of 15 member agencies and co-chaired by NASA, OSTP, and NOAA, was created to develop the US component to the plan.

To assist the IWGEO, a Planning and Integration team was formed and is currently leading the effort to develop a US 10-Year Plan for Earth Observations. Input has been sought from academia, the private sector, and standards bodies on data quality and management to determine the US components of the Earth Observation System.

Goal

In an effort to meet the 30 July 2004 deadline for a penultimate draft, the IWGEO is seeking input from the broader community in this 2-day workshop. This workshop will focus on a discussion and technical review of the seven strategic theme areas identified by the IWGEO and an assessment of the current observing systems and gaps in each area, ensuring that technical/scientific consistency and continuity is preserved in the development of an Integrated Earth Observation System, and taking into consideration societal and environmental benefits.

Approach

- Meeting participants will be provided with:
 - o Working papers for each of the seven strategic theme areas, in order to garner technical review and input on the working papers.
 - o Background on the IWGEO and GEO processes and progress to date.
 - o An overview of the purpose, approach and expectations for the US portion of the Plan for developing the Global Earth Observing System of Systems.

- Considerations, alternatives, and contributing elements associated with optimizing integration of existing Earth observation system components and planned components and systems into solutions that provide decision support for societal benefits will be discussed.
- Breakout sessions on the seven strategic theme areas will be conducted. Each session will have the following foci for discussion:
 - o Links between cross-theme benefits and observations
 - o Adequacy of analysis of observation systems identified as part of the systems of systems and backbone systems
 - o Integration issues including international dimensions
 - o Weaknesses and strengths of content and approaches for integrating planned and existing Earth observation system components into solutions.

Expectations

- A summary of comments and inputs on the content and approaches outlined in the working papers, and its capacity to be integrated into solutions associated with the identified areas of societal benefits.
- A compilation of skill and knowledge from community-of-practice that can be considered by the IWGEO in deliberations and development of the US portion of the 10-Year Plan for developing an Integrated Earth Observing System.
- A list of considerations presented by the community-of-practice on science and technology content and related systems engineering integration approaches for review and assessment by the IWGEO.

Considerations:

- The meeting will not focus on reaching a consensus.
- The meeting participants will not engage in writing or editing the working papers but more on providing technical review and input.
- Civil service representatives will participate in the breakout sessions as moderators.

Registration

There is no registration fee for participating in this meeting, however, for security reasons ***all*** attendees must fill out a registration form (page 13) by the specified deadline.

Preliminary Agenda

June 16- Day 1

- 7:30–8:30 Registration/Breakfast
- 8:30–8:45 Opening Remarks – Meeting Chair
Tony Janetos, Vice President, H. John Heinz III Center for Science, Education and Environment
- 8:45–8:50 Welcome Remarks
- 8:50–9:00 Review of Meeting Agenda
Tony Janetos, Vice President, H. John Heinz III Center for Science, Education and Environment
- 9:00–9:20 Background on GEO and IWGEO
IWGEO Co-chair
- 9:20–9:45 Overview of US Plan and US Contribution to GEO
IWGEO Co-chair
- 9:45–10:00 Approach to Integration
Tom Karl, Director, National Climatic Data Center, NOAA
John Filson, Scientist Emeritus, USGS
Jack Kaye, Director, Research Division, Office of Earth Science, NASA
- 10:00–10:15 Break
- 10:15–11:15 Plenary: Importance of Earth Observations for Addressing Societal and Environmental Benefits: *Links between Benefits-Observations-Observation Systems*
- 11:15–11:45 Plenary Discussion and Q&A
- 11:45–12:00 Breakout Groups
- 12:00– 1:30 Working Lunch in Breakout Groups
- 1:30– 4:00 Breakout Groups – seven theme areas plus one for integration
- Presentation on theme area (30 min)
 - Panel Response and Discussion: Three main respondents
 - i. Links between cross-theme benefits and observations (20 min)
 - ii. Adequacy of analysis of observation systems identified as part of the System of Systems and as Backbone Systems (20 min)
 - iii. Integration issues including int'l dimensions of issue area (20 min)
 - Group Discussion (1 hr)
- 4:00– 4:30 Break (end of breakout groups)
- 4:30–5:30 Plenary (*5 minutes max on top issues from each breakout group*)
- 5:30 Adjourn
- 6:00–8:00 Reception – Hyatt Regency Reston

June 17- Day 2

- 7:30–8:30 Registration/Breakfast
- 8:30–9:00 Opening Remarks and Charge for breakout groups
Tony Janetos, Vice President, H. John Heinz III Center for Science, Education and Environment
- 9:00–10:30 Breakout Groups – seven theme areas plus one for integration
Moderated Discussion: Guidance for Moving Forward on IWGEO Plan. This portion of time on the agenda is geared to provide an opportunity to generate specific guidance to the authors emphasizing weaknesses and strengths. Discussions are not to be centered around word-smithing but to focus on direct comments the authors can take back for consideration.
- 10:30–12:00 The breakout groups will be joined to make four groups which will address integration issues. The goal is to generate specific guidance on key integration issues on the working papers.
- 12:00– 1:30 Working Lunch
- 1:30– 1:40 Plenary Overview
Tony Janetos, Vice President, H. John Heinz III Center for Science, Education and Environment
- 1:40– 3:45 Plenary Presentations from Breakouts
Each Breakout Group gets 15 minutes to highlight the most important issues raised during the last day and a half of group discussions; emphasis should be on what guidance is being offered to the agencies.
- 3:45– 4:15 Overall Integration Issues
Tony Janetos, Vice President, H. John Heinz III Center for Science, Education and Environment
- 4:15– 4:30 Closing Remarks
Tom Karl, Director, National Climatic Data Center, NOAA
John Filson, Scientist Emeritus, USGS
Jack Kaye, Director, Research Division, Office of Earth Science, NASA
- 4:30 Adjourn

Schedule

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9:20–9:45 Overview of US Implementation Plan and US Contribution to GEO
9:45–10:00 Approach to Integration
10:00–10:15 Break
10:15–11:15 Plenary
11:15–11:45 Plenary Discussion and Q&A
11:45–12:00 Breakout Groups – seven theme areas
12:00– 1:30 Working Lunch in Breakout Groups
1:30– 4:00 Breakout Groups
4:00– 4:30 Break (end of breakout groups)
4:30– 5:30 Plenary (*5 minutes max on top issues from each breakout group*)
5:30 Adjourn
6:00 Reception – 6-8pm
Hyatt Regency Reston
1800 Presidents Street
Reston, VA 20190

June 17- Day 2

7:30– 8:30 Registration/Breakfast
8:30– 9:00 Opening Remarks and Charge for breakout groups
9:00–10:30 Breakout Groups – seven theme areas
10:30–12:00 Four intermingled working groups to discuss integration issues.
12:00– 1:30 Working Lunch
1:30– 1:40 Plenary Overview
1:40– 3:45 Plenary Presentations from Breakouts
3:45– 4:15 Overall Integration Issues
4:15– 4:30 Closing Remarks
4:30 Adjourn

Venue

The two-day meeting will take place at the United States Geological Survey (USGS) offices in Reston, Virginia. *This is a secure building so please allow sufficient time to pass through security. A picture ID will be required at security.*

United States Geological Survey (USGS)
12201 Sunrise Valley Drive
Reston, VA 20192
Point of Contact: Beth Stettner (703-648-5928)

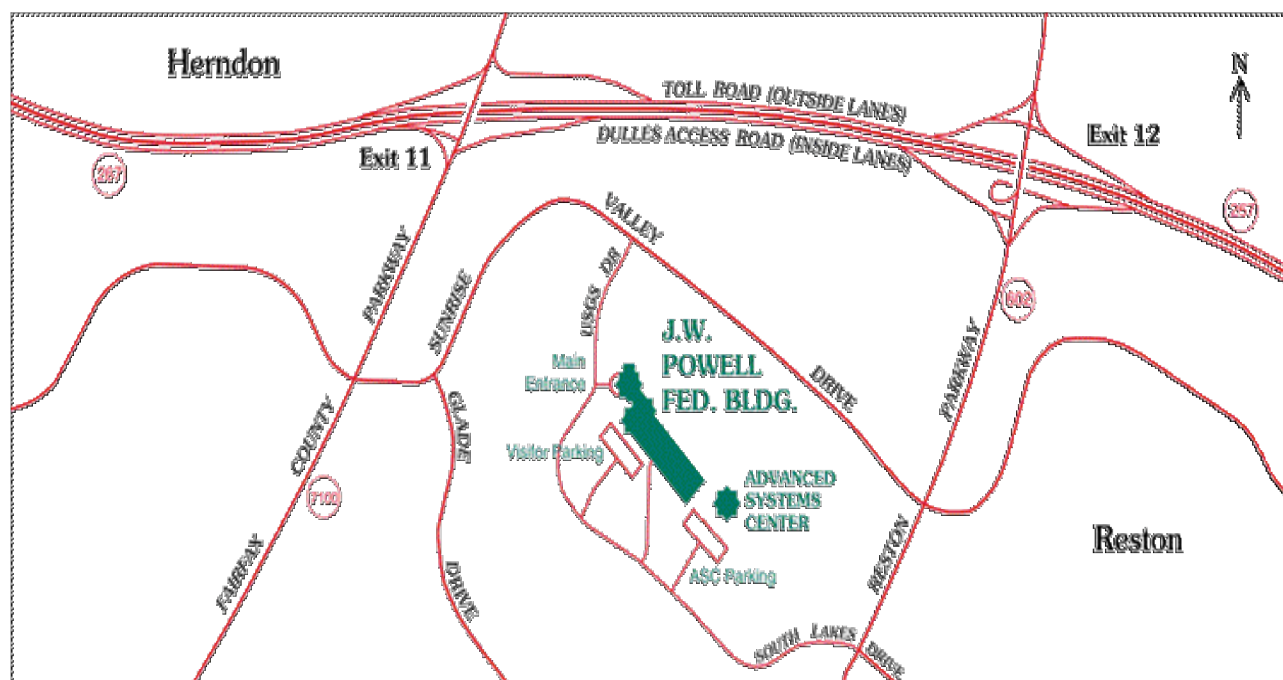
Directions:

From Ronald Reagan Washington National Airport or Washington, D.C.

Follow George Washington Memorial Parkway north. Take I-495 (Capital Beltway) south to exit 45A and follow signs for 267 West (toll road). Take exit 12 off toll road and turn left onto Reston Parkway, route 602, south. Go .5 mile and turn right onto Sunrise Valley Drive. Go .6 mile and turn left onto US Geological Survey Drive. Watch for sign for visitor parking.

From Dulles International Airport

Exit parking area and follow signs for Washington, D.C. Exit onto route 267 East, toll road. Take exit 11 off toll road and turn right onto Fairfax County Parkway, route 7100, south. Go .3 mile and turn left onto Sunrise Valley Drive. Go .6 mile and turn right onto US Geological Survey Drive. Watch for sign for visitor parking.





Directions and Parking

From the Beltway:

Take the Dulles Toll Road, RT 267 - West. Take **Exit 12** - the Reston Parkway, RT 608. **Turn Left** and head South to the second stoplight. **Turn Right** onto Sunrise Valley Drive. Proceed 1/2 mile to the entrance for the USGS, 2nd stoplight on your left-hand side. Proceed to Visitors Parking.

From the Fairfax Co. Parkway:

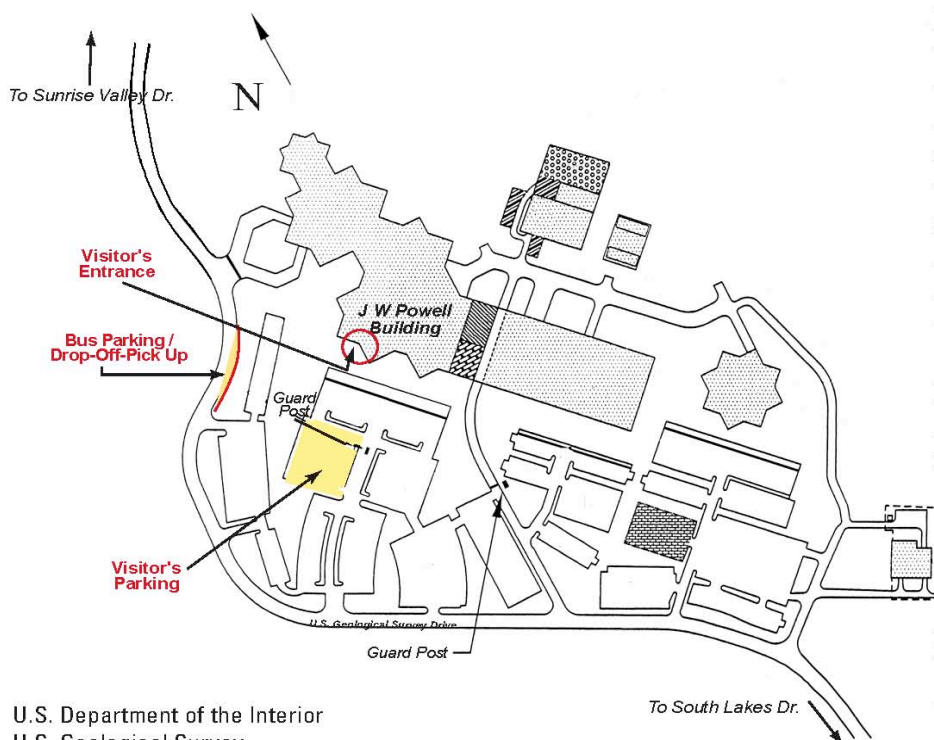
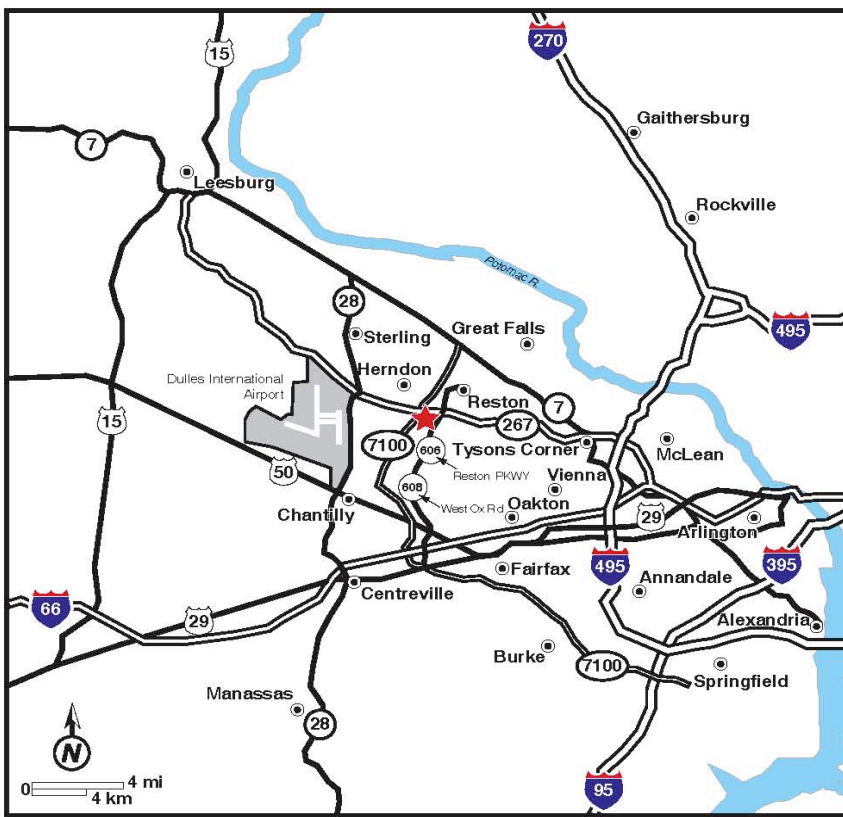
Take the Fairfax Co. Parkway, RT 7100 - North towards Herndon. **Turn Right** onto Sunrise Valley Drive. Proceed 1/4 mile to the entrance for the USGS, 2nd stoplight on your right-hand side. Proceed to Visitors Parking.

Using the METRO/Connector

Services: For the latest information on bus numbers and times call:

METRO 202-637-7000

FFX C0. Connector 703-339-1608



Parking for visitors is limited to two areas. The first area is designated for larger groups arriving by bus. It is along the U.S. Geological Survey Drive, adjacent to the Visitors entrance. The second area is the Visitors parking area (yellow) for smaller groups arriving in vans or personal vehicles.

Follow the signs for Visitor parking and proceed to the Visitors Entrance.

Due to the security now in effect at the USGS National Center, you are required to show valid picture identification. Visitors will be scanned by a magnetometer and all containers will be x-rayed.

U.S. Department of the Interior
U.S. Geological Survey

May 2004

Travel Information/Reston

Airport

For those traveling by air, please note that the Washington Dulles International Airport (<http://www.mwaa.com/dulles/index.htm>) is the closest airport to Reston, Virginia. When making your travel arrangements please keep this in mind. For arrival and departure information to both Washington Dulles and Reagan National, please go to: <http://www.mwaa.com/>. Both airports are served by SuperShuttle (PHONE: 800/258-3826), which will take you to a specific hotel or residence. Make reservations at the ground transportation desk. Fares vary depending on the destination; drivers accept major credit cards in addition to cash.

Transportation

Most hotels offer a shuttle service to and from the airport, so please check with your hotel for those arrangements. However, taxi service is readily available at the airport. When traveling in Reston, a rental car will be the most practical solution. The Metro system does not currently extend to Reston. Taxi companies operating in and around Reston include:

Red Top Cab of Fairfax (Cab stand at Hyatt Reston): (703) 934-4444

Springfield Yellow Cab (Cab stand at Reston Sheraton): (703) 451-7200

For more details on transportation options, door-to-door directions, etc. please visit: <http://www.mwaa.com/dulles/ground.htm>

Reston

A beautiful community located in Fairfax County, Virginia - ten minutes by private expressway from Washington Dulles International Airport and twenty-five minutes from downtown Washington DC, Reston is the technology and Internet center of the Eastern United States, Virginia's second largest business center (home to 2,400+ corporations and national associations: Oracle, USGS, Shell, Citigroup, MCI, Worldcom, GE, Rolls Royce, CIT Alcatel, TRW, Raytheon, Apple, AOL...).

It is a nationally and internationally known planned community offering the best of all worlds - excellent schools, thriving employment base, social and cultural amenities and athletic pursuits for people of all ages. It offers four large lakes for swimming and boating, two 18-hole golf courses - public and country club, eighteen outdoor swimming pools, forty-nine tennis courts and eight village shopping centers. In excess of 1,000 acres are in perpetual open space.

The Reston Town Center is a world class 450 acre commercial and residential hub offering hotel(s), luxury office buildings, shopping, residences, restaurants, movie theatres, cafes and ice skating in a spectacular setting. For entertainment details at the Reston Town Center, please go to: <http://www.restontowncenter.com/home.html>

Per Diem

Please remember that all traveling on Federal funding are subject to Federal per diem rates and regulations. Keep this in mind when making your travel arrangements.

Hotels *The following are recommendations for your accommodations.*

SpringHill Suites Herndon Reston

138 Spring Street Herndon, VA 20170 USA

Phone: ☐ 703-435-3100 • Fax: ☐ 703-435-5100

Web: <http://marriott.com/property/propertyPage.mi?marshaCode=IADSH>

Distance to USGS (meeting location): 1.6 miles

Marriott's new moderately priced all-suites hotel is designed for guests who want spacious and functional accommodations when on the road even for a few nights at a time. Marriott offers a complimentary breakfast buffet, free local phone calls, swimming pool, and complimentary Internet access.

Courtyard Herndon Reston

533 Herndon Parkway Herndon, VA 20170 USA

Phone: ☐ 703-478-9400 • Fax: ☐ 703-478-3628

Web: <http://marriott.com/property/propertyPage.mi?marshaCode=IADHC>

Distance to USGS (meeting location): 2.7 miles

Enjoy the convenience of complimentary shuttle from the Washington-Dulles Airport (located only 5 miles east of the hotel). Guests traveling on business will have an easy commute to and from work, as we are located in the heart of the Dulles Corridor. For those that need a quiet place to work, you will enjoy our spacious guest rooms with a comfortable sitting area, and large work desk.

Sheraton Reston Hotel

11810 Sunrise Valley Drive ☐ Reston, ☐ Virginia ☐ 20191 ☐

Phone ☐ (703) 620-9000 ☐ Fax ☐ (703) 860-1594

Distance to USGS (meeting location): 1.5 miles

Just minutes from exciting urban conveniences such as: premier shopping, Dulles International Airport, numerous corporate headquarters, industries, government sectors, and businesses. Choose from a variety of menus and seasonal specials at our flavorful restaurants, Syrah and the Cosmopolitan Lounge. Enjoy a round of golf at the Reston National Golf Course, adjacent to the hotel, or simply relax in our pool. *Free shuttle service within the surrounding area.*

Hyatt Regency Reston

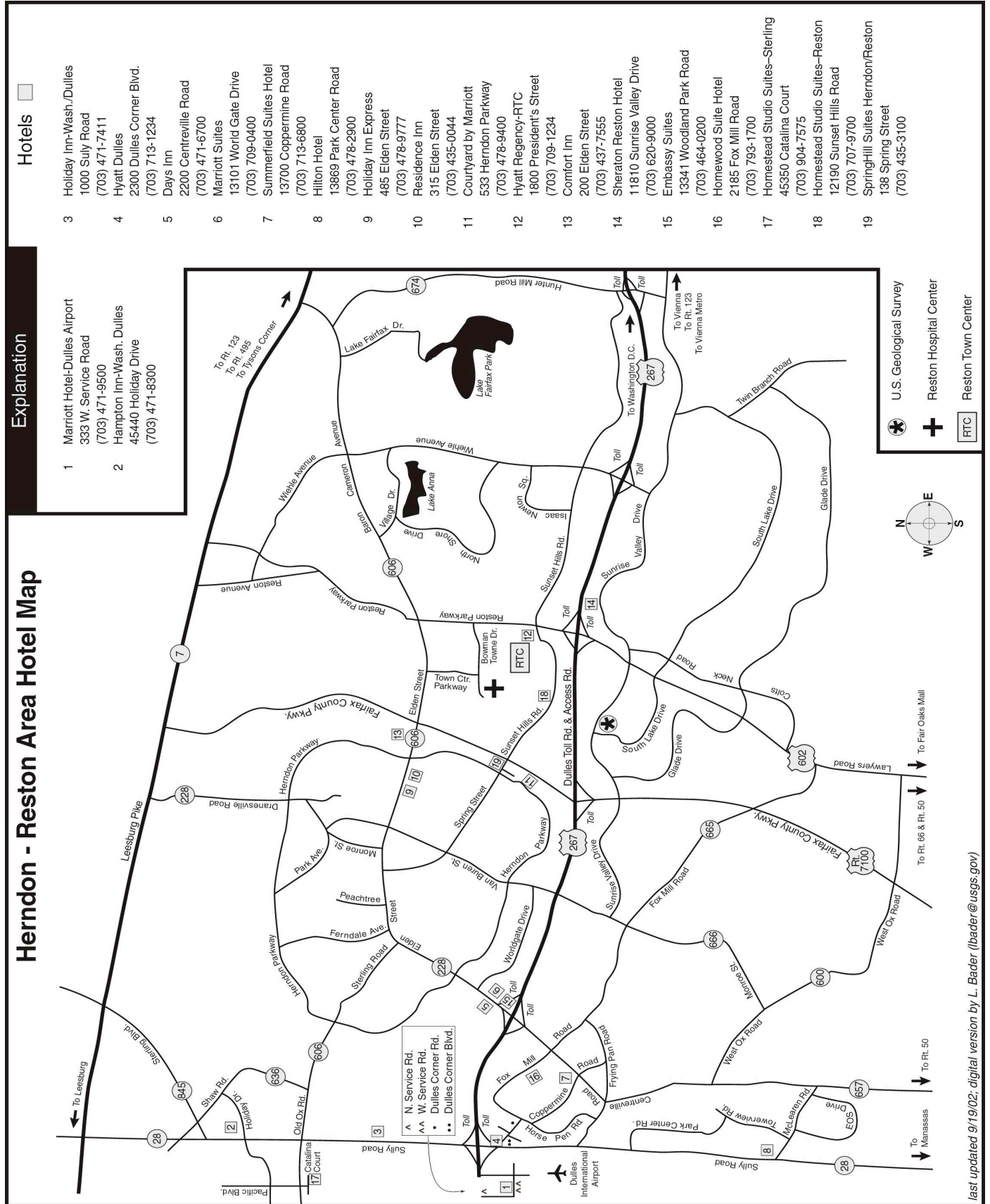
1800 Presidents Street Reston, Virginia 20190

Tel: 1 703 709 1234 • Fax: 1 703 925 8295

Web: <http://reston.hyatt.com/property/index.jhtml>

Distance to USGS (meeting location): 1.6 miles

Hyatt Regency Reston is a premier corporate hotel located in the heart of Fairfax County's technology hub at Reston Town Center. Offering fine shopping, dining and entertainment, Reston Town Center includes 12 restaurants and a 13-screen multiplex theater.



**INTERAGENCY WORKING GROUP ON EARTH OBSERVATIONS
EXPERTS MEETING
16-17 JUNE 2004**

REGISTRATION FORM

There is no registration fee for attending this workshop, however for security reasons, all attendees must fill out a registration form.

Mr. _____	Mrs. _____	Ms. _____	Dr. _____
Family Name: _____		Given Name: _____	
Title: _____			
Organization: _____			
Address: _____			

Telephone: _____			
(Please include country and city code/area code)			
Fax: _____			
(Please include country and city code/area code)			
E-mail: _____			

RECEPTION

I will attend the Welcome reception on 16 June 2004 _____

☐

If you have special needs/requirements that we need to be aware of, please list them below:

Registration deadline is 4 June 2004

Please fax your registration form to: (703) 312-8657, Attn: Judy Carrodegua